NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

(Include Fa	cility Name/Location if different) US Department of Interior
NAME	Bureau of Reclamation
ADDRÉSS	826 East Front Street, Suite A
	Port Angeles WA 98362-3613

FACILITY Elwha Water Treatment Plant

LOCATION Elwha River/Lat: 48°10' 10" N./Long: 123° 33' 7" W.

(2-16)WA-002666-2 PERMIT NUMBER

(17-19)001 DISCHARGE NUMBER

Sedimentation Plant (non-wastewater)

Influent and effluent flow discharges occurred.

MONITORING PERIOD FROM YEAR MO DAY TO YEAR MO DAY 2012 01 01 31 2012 01 /22, 231 (30.31)

OFFICE OF COMPLIANCE AND ENFORCEMENT

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (4 Card Only) QUALITY OR CONCENTRATION (46-53) (54-61) (38-45) (46-53) (54-61)							NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE MONTHLY	MAXIMUM DAILY	UNITS	MINIMUM	AVERAGE MONTHLY	MAXIMUM DAILY	UNITS	(62-63)	(64-68)	(69-70)	
Flow	SAMPLE MEASUREMENT	48.6	71.8		*****	非非非非非非	******		0	continuous	recording	
Influent [0056 7 0 0]	PERMIT REQUIREMENT	Report	Report	CFS				1		Continuous	Recording	
Flow	SAMPLE MEASUREMENT	1.1	2.3		*****	****	*****		0	continuous	recording	
Effluent [0056 1 0 0]	PERMIT REQUIREMENT	Report	Report	CFS						Continuous	Recording	
Turbidity	SAMPLE MEASUREMENT	*****	非非常非非非非		****	154	292		0	continuous	recording	
Influent [00070 7 0 0]	PERMIT REQUIREMENT					Report	Report	NTU		Continuous	Recording	
pН	SAMPLE MEASUREMENT	*****	非非非非非非		****	7.6	7.9		0	daily	grab	
Influent [00400 7 0 0]	PERMIT REQUIREMENT					6.5 – 8.5	8.5	s.u.		5/ week	Grab	
рН	SAMPLE MEASUREMENT	*****	非非非非非非		*****	7.6	8.0		0	daily	grab	
Effluent [00400 1 0 0]	PERMIT REQUIREMENT					6.5 – 8.5	8.5	s.u.		5/ week	Grab	
Temperature	SAMPLE MEASUREMENT	*****	*****		*****	3.7	5.2		0	daily	grab	
Influent [00010 7 0 0]	PERMIT REQUIREMENT					Report	Report	°C		5/Week	Grab	
Temperature	SAMPLE MEASUREMENT	*****	*****		******	4.0	5.2		0	daily	grab	
Effluent [00010 1 0 0]	PERMIT REQUIREMENT					Report	Report			5/Week	Grab	
AME/TITLE PRINCIPAL EXECUTIVE OFFI	PREPARED UNI	ER PENALTY OF LAW THA DER MY DIRECTION OR SUI ASSURE THAT QUALIFIED I	PERVISION IN ACCORDA	NCE WITH	A SYSTEM	11/1	1/	TELEPH	ONE		DATE	
Michael S Greene, PE Project/Plant Manager, Veolia Water l America Operating Services	EVALUATE THE PERSONS WHO	EINFORMATION SUBMITTS MANAGE THE SYSTEM, OF IE INFORMATION, THE INF	ED. BASED ON MY INQUENTING THOSE PERSONS DIRECT	JIRY OF THE	PERSON OR DNSIBLE FOR	Mely In	360	4	17-1180	2012	2 09	

TYPED OR PRINTED

KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE

ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE AREA NUMBER YEAR OFFICER OR AUTHORIZED AGENT CODE

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

The automatic sampler failed on 12/25/2011 and the required effluent sample for TSS was not collected on that day. Monthly average and daily maximum were based on composite samples from 30 days.

Computer Reproduction EPA Form 3320-1

Page 1 of 4

DAY

MO

(Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

	US Department of Interior	(2-16)					(17-19)										
NAME	Bureau of Reclamation	WA-002666-2					001			Sedimentation Plant (non-wastewater)							
ADDRESS	826 East Front Street, Suite A				PERMI	T NUMBER			DISCH	ARGE NUM	MBER				2 12 11 14	L	
	Port Angeles WA 98362-3613	1															
							MONITORI	NG P	ERIOD					FEI	R I / 20	2	
FACILITY	Elwha Water Treatment Plan	t		FROM	YEAR	МО	DAY	TO	YEAR	MO	DAY		U U	1 1	0 1 4 20	_	
LOCATIO	N Elwha River/Lat: 48° 10' 10	" N./Long: 123" 3.	3' 7" W.		2012	01	01		2011	01	31						
				à	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)		DEFIC	E DE COL	S EPA MEGION 1 APTIANCE AND E	NEORCE	MENT
77.	PARAMETER (32-37)		(3 Card Only) OUAN	TITY OR LO	DADING		(4 Card Only)		OUALITY	OR CONCE	NTRATION		=0.11	NO.	FREQUENCY	SA	MPLE
	(32-37)		(46-53)		4-61)		(38-45)		(46-5		(54-61)			EX	OF ANALYSIS	1	FYPE
			AVERAGE MONTHLY		UM DAILY	UNITS	MINIMUM		AVERAGE M		MAXIMUM D	AILY	UNITS	(62-63)	(64-68)	1 0	69-70)
	Fecal Coliform	SAMPLE MEASUREMENT	*****	557-517-00-0	****		*****		3		4			0	10/Mo		grab
J	nfluent [31625 7 0 0]	PERMIT REQUIREMENT							Repo	ort	Report		#/100 ml		10/Month	1	Grab
	Fecal Coliform	SAMPLE MEASUREMENT	*****	***	*****		****		23		27			0	10/Mo		grab
E	Effluent [31625 1 0 0]	PERMIT REQUIREMENT							Repo	ort	Report		#/100 ml		10/Month	(Grab
Т	otal Suspended Solids Influent	SAMPLE MEASUREMENT	52,465	11	0,945		非非常非常非		201 42		421			0	W 2000 - 1000		N-311-2/31-1 11
Daily Avera	age Influent Turbidity > 50 NTU	PERMIT REQUIREMENT	Report	See I.B	3.3 & I.B.4 Lb/Day				Report		Report		mg/L		Daily	1 -	24-Hr nposite
T	otal Suspended Solids Effluent	SAMPLE MEASUREMENT	20,901	54	,703		*****		3,50	1	6,748			0			
Daily Avera	ge Influent Turbidity > 50 NTU	PERMIT REQUIREMENT	Report	24	8,823 Lb/Day				Report		Report		mg/L		Daily	1	24-Hr nposite
T	otal Suspended Solids nfluent [00530 7 0 0]	SAMPLE MEASUREMENT	No readings<50	No rea	dings<50		*****		No readings<50		No readings<50			0	Day of discharge	c	comp
Daily Avera	age Influent Turbidity < 50 NTU	PERMIT REQUIREMENT	Report		22	#/CFS River			Report Report		port mg/L			Daily	24-Hr composite		
	otal Suspended Solids Effluent 00530 P 0 0]	SAMPLE MEASUREMENT	No readings<50	No rea	dings<50		*****		No readings<50 No readings		dings<50		0	Day of discharge	comp		
Daily Avera	ge Influent Turbidity ≤ 50 NTU	PERMIT REQUIREMENT	Report		22	#/CFS River			Repo	ort	Report		mg/L		Daily		24-Hr nposite
	Settleable Solids	SAMPLE MEASUREMENT	非非非非非非	10:00:1	1 申本申申		*****		≤1.	0	≤1.0			0	1/month	C	comp
I	nfluent [00545 7 0 0]	PERMIT REQUIREMENT							Repo	ort	Report		ml/L		1/month	150	24-Hr nposite
NAME/TIT	LE PRINCIPAL EXECUTIVE OFFICE	PREPARED UNI	PER PENALTY OF LAW THAT DER MY DIRECTION OR SU ASSURE THAT QUALIFIED	PERVISION	IN ACCORD	ANCE WITH	A SYSTEM			1.			TELEPHO	NE.		DATE	
	Michael S Greene, PE Plant Manager, Veolia Water N. merica Operating Services	EVALUATE THE PERSONS WHO	E INFORMATION SUBMITT MANAGE THE SYSTEM, O HE INFORMATION, THE INF	ED. BASEL R THOSE PI	ON MY INQUERSONS DIRE	JIRY OF THE	PERSON OR ONSIBLE FOR	M	In haple	fy		360		7-1180	2012	02	09
	TYPED OR PRINTED	ARE SIGNIFICA	AND BELIEF, TRUE, ACCUR INT PENALTIES FOR SUBM FFINE AND IMPRISONMEN	ITTING FAI	SE INFORMA	TION, INCL			OFFICER OR		EXECUTIVE ED AGENT	AREA CODE	N	UMBER	YEAR	МО	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

[.]The automatic sampler failed on 12/25/2011 and the required effluent sample for TSS was not collected on that day. Monthly average and daily maximum were based on composite samples from 30 days.

(Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

(17-19)

(2-16)

	US Department of Interior		(2-16)					(17-19)										
NAME	Bureau of Reclamation			WA-002666-2					001	S	Sedimentation Plant (non-wastewater)							
ADDRESS	DDRESS 826 East Front Street, Suite A					PERMIT NUMBER				DISCHARGE NUMBER			DECENVEN					
	Port Angeles WA 98362-3613											E	C.		111 11	la .		
				[MONITOR	ING F	PERIOD		11-1			4 0012	1111	1		
FACILITY	Elwha Water Treatment Plan	t		FROM	YEAR	MO	DAY	TO	YEAR MO	DAY			FEB 1	4 2012	1	1		
LOCATIO	N Elwha River/Lat: 48° 10' 10'	" N/Long: 123° 33	3' 7" W.	İ	2012	01	01		2012 01	31	10 1	7				1		
			-	1	(20-21)	(22-23)	(24-25)		(26-27) (28-29)	(30-31)		-	115 10	A REGION 10	DCFNF1.	#IL		
-Merile	PARAMETER (32-37)		(3 Card Only) QUANT	TTY OR LC	ADING		(4 Card Only)		QUALITY OR CONCE	NTRATION	l ne	FICE	OF CHOUPING	FREQUENCY		MPLE		
	(32-37)		(46-53)		1-61)		(38-45)		(46-53)	(54-61)	1		EX	OF ANALYSIS	T	YPE		
			AVERAGE MONTHLY		JM DAILY	UNITS	MINIMUM	1	AVERAGE MONTHLY	MAXIMUM D	AILY I U	VITS	(62-63)	(64-68)	(6	59-70)		
	Settleable Solids	SAMPLE MEASUREMENT	*****		****		*****		23	23			0	1/month	-	omp		
I	Effluent [00545 1 0 0]	PERMIT REQUIREMENT							Report	Report	п	ıl/L		1/month		4-Hr aposite		
	BOD ₅	SAMPLE MEASUREMENT	*****	***	****		*****		3.4	3.4			0	1/month	С	omp		
I	Effluent [00310 1 0 0]	PERMIT REQUIREMENT							Report	Report	m	g/L		1/month		4-Hr nposite		
	Alkalinity	SAMPLE MEASUREMENT	*****	***	***		*****		47	55	m	g/L	0	daily	0	omp		
	Effluent [0410 1 0 0]	PERMIT REQUIREMENT							Report	Report	1000000	as CO ₃		1/month	24 h	r com,p		
Т	otal Dissolved Solids	SAMPLE MEASUREMENT	*****	***	****		*****		69	100			0	4/month	C	omp		
I	nfluent [70295 7 0 0]	PERMIT REQUIREMENT							Report	Report	m	g/L		L/month		4-Hr nposite		
T	otal Dissolved Solids	SAMPLE MEASUREMENT	乘水水水水水	***	***		*****		62 93				0	4/month	0	omp		
I	Effluent [70295 1 0 0]	PERMIT REQUIREMENT							Report	Report	port mg/L			1/month	24-Hr composite			
	Total Aluminum	SAMPLE MEASUREMENT	772	7	72		*****		2.8	2.8	8		0	1/month	0	omp		
1	nfluent [01105 7 0 0]	PERMIT REQUIREMENT	Report	Re	port	lb/Day			Report	Report	t mg/L			1/month	1	4-Hr nposite		
	Total Aluminum	SAMPLE MEASUREMENT	6		6		******		1.1	1.1			0	1/month	C	omp		
E	Effluent [01105 1 0 0]	PERMIT REQUIREMENT	Report	Re	port	lb/Day			Report	Report	m	g/L		1/month	1 - 100	4-Hr nposite		
NAME/TIT	LE PRINCIPAL EXECUTIVE OFFICE	PREPARED UNI	ER PENALTY OF LAW THA DER MY DIRECTION OR SU ASSURE THAT QUALIFIED	PERVISION	IN ACCORDA	ANCE WITH	A SYSTEM											
	Michael S Greene, PE Plant Manager, Veolia Water N.	PERSONS WHO	E INFORMATION SUBMITT MANAGE THE SYSTEM, O IE INFORMATION, THE INF	R THOSE PE	RSONS DIRE	CTLY RESPO	INSIBLE FOR	1	Michel &		360	4	117-1180	2012	02	09		
A	merica Operating Services				mr			_			100				145			
	TYPED OR PRINTED	ARE SIGNIFICA	IND BELIEF, TRUE, ACCUR INT PENALTIES FOR SUBM F FINE AND IMPRISONMEN	ITTING FAL	SE INFORMA	TION, INCLI			GNATURE OF PRINCIPAL OFFICER OR AUTHORIZ		AREA CODE	N	NUMBER	YEAR	МО	DAY		
COMMENT A	ND EXPLANATION OF ANY VIOLA																	

The automatic sampler failed on 12/25/2011 and the required effluent sample for TSS was not collected on that day. Monthly average and daily maximum were based on composite samples from 30 days.

(Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

	US Department of Interior							(17-19)									
NAME	Bureau of Reclamation				WA-002666-2				001			Sedimentation Plant (non-waste				water)	
ADDRESS	RESS 826 East Front Street, Suite A				PERMIT NUMBER					DISCHARGE NUMBER				FERMEN			
	Port Angeles WA 98362-3613																
				COLD COLD			MONITOR	ING P	ERIOD				11 11	FE	B 1 4 20	112	
FACILITY	Elwha Water Treatment Plan	t	1-20	FROM	4 YEAR	МО	DAY	TO	YEAR	MO	DAY		10 0			IL	
LOCATION	Elwha River/ Lat: 48° 10' 10'	' N./Long: 123° 33	3' 7" W.	_	2012	01	01		2012	01	31					-	
				_	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)		CEEK		MPLIANCE AND		MELE
	PARAMETER		(3 Card Only)	QUANTITY OR	LOADING		(4 Card Only)		OUALITY	OP CONC	ENTRATION			NO.	FREQUENCY		MPLE
	(32-37)		2010/2017	QUANTITION			201 300		STREET			222		EX	OF	1	TYPE
			(46-53)	munt seem	(54-61)	Liniere	(38-45)	,	(46-5		(54-6		Livince	(62.53)	ANALYSIS	1 .	co 701
	D:1-10	SAMPLE	AVERAGE MON		MUM DAILY	UNITS	MINIMUN ******		AVERAGE N		MAXIMUN 13.		UNITS	(62-63)	(64-68) DAILY		69-70)
	Dissolved Oxygen	MEASUREMENT	1222		MANAGEM		11100101111		12.	3	13.	,		0	DAILY		grab
Ir	nfluent [00300 7 0 0]	PERMIT REQUIREMENT							Repo	ort	Repo	ort	mg/L		1/Month	1	Grab
		SAMPLE MEASUREMENT															
		PERMIT REQUIREMENT															
		SAMPLE MEASUREMENT															
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		PERMIT REQUIREMENT			\$5												
		SAMPLE MEASUREMENT															
		PERMIT REQUIREMENT															1
NAME/TITE	E PRINCIPAL EXECUTIVE OFFICE	PREPARED UNI	ER PENALTY OF LA DER MY DIRECTION ASSURE THAT QUA	N OR SUPERVISI	ON IN ACCOR	DANCE WITH	I A SYSTEM	Ι΄	520	11	1		TELEPHO	ONE		DATE	
Project/F	Michael S Greene, PE Plant Manager, Veolia Water N. nerica Operating Services	EVALUATE THE PERSONS WHO	E INFORMATION ST MANAGE THE SYS IE INFORMATION,	UBMITTED. BAS STEM, OR THOSE	ED ON MY INC. PERSONS DIF	QUIRY OF TH RECTLY RESP	E PERSON OR CONSIBLE FOR	Me	of the	fef		360	4	17-1180	2012	02	09
	TYPED OR PRINTED	ARE SIGNIFICA	AND BELIEF, TRUE, INT PENALTIES FOI F FINE AND IMPRIS	R SUBMITTING I	ALSE INFORM	AATION, INCL			ONATURE OF OFFICER OR		L EXECUTIVE ZED AGENT	AREA		UMBER	YEAR	МО	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

INFLUENT TURBIDITY ABOVE 50 NTU

Day	Influent Turbidity - 13	Flow, Daily, Influent	flow/daily, at outfall 3078	flow/daily at outfall cal	River Flow, 1	TSS Influent, 8	TSS Influent Mass_Calc	TSS Effluent 5002	Effluent Mass_Cal	Mass Limit_cal
	NTU	MGD	MGD	CFS	CFS	mg/L	Lbs/Day	mg/L	Lbs/Day	lbs/day
1/1/2012	245	30.6	0.66	1.02	1910	215	54,863	4158	22,887	223,046
1/2/2012	181	38.5	0.84	1.30	1700	192	61,649	3650	25,570	177,728
1/3/2012	176	23.3	0.51	0.79	2310	185	36,008	2674	11,374	231,630
1/4/2012	126	30.6	0.66	1.02	2300	270	68,914	5568	30,648	336,967
1/5/2012	267	30.6	0.67	1.04	4730	249	63,594	4702	26,274	637,519
1/6/2012	169	31.9	0.70	1.08	3240	326	86,630	1460	8,523	572,453
1/7/2012	179	29.1	0.63	0.97	3140	322	78,247	5369	28,210	547,835
1/8/2012	205	31.7	0.65	1.01	2260	209	55,192	4237	22,969	256,304
1/9/2012	169	36.5	0.70	1.08	2010	269	81,783	4099	23,930	293,692
1/10/2012	150	33.0	0.65	1.01	1710	168.5	46,434	2983	16,171	156,593
1/11/2012	117	46.4	0.67	1.04	1570	129	49,949	2350	13,131	110,155
1/12/2012	118	29.9	0.67	1.04	1460	144.8	36,066	3210	17,937	115,046
1/13/2012	106	32.3	0.66	1.02	1360	97.8	26,341	2540	13,981	72,414
1/14/2012	79	27.4	0.60	0.93	1280	117.7	26,927	2216	11,089	81,999
1/15/2012	86	32.4	0.71	1.10	1240	108	29,175	1972	11,677	73,017
1/16/2012	78	28.3	0.63	0.97	1110	88.27	20,862	1546	8,123	53,417
1/17/2012	66	30.6	0.65	1.01	1090	93.8	23,947	1778	9,639	55,767
1/18/2012	68	34.3	0.73	1.13	1060	113.7	32,509	1674	10,192	65,840
1/19/2012	60	29.3	0.61	0.94	994	59	14,411	1216	6,186	31,997
1/20/2012	92	31.06	0.68	1.05	970	67.2	17,407	1463	8,297	35,617
1/21/2012	129	27.71	0.68	1.05	2430	201.7	46,605	3065	17,382	265,923
1/22/2012	118	30.26	0.66	1.02	1790	152.3	38,440	2752	15,148	148,131
1/23/2012	133	30.65	0.67	1.04	1710	246.9	63,115	5298	29,604	229,498
1/24/2012	126	32.00	0.69	1.07	1430	195.9	52,283	3497	20,124	152,508
1/25/2012	271	28.41	0.63	0.97	3150	223.46	52,950	6748	35,455	381,391
1/26/2012	217	29.81	0.66	1.02	2610	221.6	55,097	5176	28,491	313,658
1/27/2012	149	32.15	0.71	1.10	2000	337.33	90,446	5550	32,864	366,503
1/28/2012	203	31.00	0.68	1.05	1680	241.3	62,388	4357	24,709	220,405
1/29/2012	194	31.60	0.70	1.08	2850	421	110,945	2742	16,008	650,609
1/30/2012	292	28.89	0.93	1.44	3080	322	77,589	6013	46,638	538,284
1/31/2012	209	32.53	1.47	1	2430	242	65,655	4462	54,703	317,552
DAILY MAX	292	46.43	1.47	1.44	4,730	421.0	110,945	6,748	54,703	650,609
AVERAGE	154	31.38	0.70	1.05	2,019	201.0	52,465	3,501	20,901	248,823

Michael S. Circene 2/9/2012 Whithfor



February 9, 2012

US EPA Region 10 Director, Office of Compliance & Enforcement 1200 Sixth Avenue, OCE-133 Seattle, Washington 98101

RE: NPDES # WA-002666-2, MONTHLY REPORT - JANUARY, 2012 - ELWHA WATER TREATMENT PLANT

FEB 1 4 2012

Attn: PCS Data Entry Team

Enclosed is the monthly Discharge Monitoring Report (DMR) for the Elwha Water Treatment Plant (Port Angeles, WA) for the month of January, 2012. Also enclosed is the annual Water Quality Report for 2011. The reports are being submitted by Veolia Water North America (VWNA) Operating Services on behalf of the US Department of Interior, Bureau of Reclamation. Signed originals of the DMR have been submitted to Region 10 EPA. A copy has been submitted to the Washington DOE.

Please contact me if there are any questions or comments regarding the enclosed Forms and report.

Sincerely,

Michael S Greene District Manager

CC:

Richard Bauman, BOR Tracy Gilchrist, NPS Jeff Bohman, NPS

Enclosures:

- 1. DMR, January, 2012; EPA Form 3320-1 (4 pages)
- 2. Table of values & mass limits for turbidity over 50 NTU
- 3. Annual water Quality Report, 2011